

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	46605	((spin adj bulb) or mr or mre or DOMR or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or g11b005/33.ipc or g11b005/127. ipc or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1))	EPO; JPO; DERWENT	OR	OFF	2005/11/18 15:23
L2	922209	ruthenium or Ru or ferrimagnetic\$5 or ferri adj2 magnetic\$5 or antiparallel or anti adj parallel or ((antiferromagnetic or AFM or anti adj ferromagnetic\$5) adj2 coupling\$1) or APC or AAF or SAF or synthetic\$4 adj2 (antiferromagnet\$5 or anti adj ferromagnet\$5) or artificial adj2 (anti adj ferromagnet\$5 or antiferromagnet\$5)	EPO; JPO; DERWENT	OR	OFF	2005/11/18 15:24
L3	335301	(magnet or magnets or barkhausen or ((hard or vertical\$4 or longitudinal\$4) adj2 bias\$4) or mdc or domain\$ or barkhausen or popcorn or pop adj corn or wiggle or exchange adj tab\$1 or multidomain\$1 or LBS or (sole near3 magnetization\$1) or unidirectional)	EPO; JPO; DERWENT	OR	OFF	2005/11/18 13:59
L4	280	1 and 2 and 3	EPO; JPO; DERWENT	OR	OFF	2005/11/18 10:56
L5	33011	(overlaid or over adj laid or overlay\$3 or over adj lay\$3)	EPO; JPO; DERWENT	OR	OFF	2005/11/18 14:02
L6	169	1 and 5	EPO; JPO; DERWENT	OR	OFF	2005/11/18 11:28
L7	472	renner.xp.	US-PGPUB; USPAT	OR	OFF	2005/11/18 13:59

L8	22617	(mr or DOMR or mre or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or DSV or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1)).ti,ab,clm. or "360/113" or 360/313-327.33.ccls. or 338/32\$2.ccls. or 324/207.21. ccls. or 324/252.ccls. or 365/171. ccls. or 365/173.ccls. or 428/811-811.5.ccls.	US-PGPUB; USPAT	OR	OFF	2005/11/18 13:59
L9	125105	((magnet or magnets or barkhausen or ((hard or vertical\$4 or longitudinal\$4) adj2 bias\$4) or mdc or domain\$ or barkhausen or popcorn or pop adj corn or wiggle or exchange adj tab\$1 or multidomain\$1 or LBS or (sole near3 magnetization\$1) or unidirectional)).ti,ab,clm.	US-PGPUB; USPAT	OR	OFF	2005/11/18 15:24
L10	3572	8 and 9	US-PGPUB; USPAT	OR	OFF	2005/11/18 14:01
L11	21952	(ruthenium or Ru or ferrimagnetic\$5 or ferri adj2 magnetic\$5 or antiparallel or anti adj parallel or ((antiferromagnetic or AFM or anti adj ferromagnetic\$5) adj2 coupling\$1) or APC or AAF or SAF or synthetic\$4 adj2 (antiferromagnet\$5 or anti adj ferromagnet\$5) or artificial adj2 (anti adj ferromagnet\$5 or antiferromagnet\$5)).ti,ab,clm.	US-PGPUB; USPAT	OR	OFF	2005/11/18 14:01
L12	470	10 and 11	US-PGPUB; USPAT	OR	OFF	2005/11/18 14:01
L13	149388	(overlaid or over adj laid or overlay\$3 or over adj lay\$3)	US-PGPUB; USPAT	OR	OFF	2005/11/18 14:02
L14	353429	(lead\$1 or electrode\$1).ti,ab,clm.	US-PGPUB; USPAT	OR	OFF	2005/11/18 14:02
L15	486688	13 or 14	US-PGPUB; USPAT	OR	OFF	2005/11/18 14:03
L16	247	12 and 15	US-PGPUB; USPAT	OR	OFF	2005/11/18 14:04
L17	171	@ad<="20020819" and 16	US-PGPUB; USPAT	OR	OFF	2005/11/18 14:05

L18	769	((spin adj bulb) or mr or mre or DOMR or magneto adj resist\$5 or magnetoresist\$5 or amr or magnetic\$4 adj resist\$5 or gmr\$1 or spin adj valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or g11b005/39.ipc. or g11b005/33.ipc or g11b005/127. ipc or tmr or mram or magnetic adj memory or magnetic adj random adj access adj memory or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1))	IBM_TDB	OR	OFF	2005/11/18 15:23
L19	3237	((magnet or magnets or barkhausen or ((hard or vertical\$4 or longitudinal\$4) adj2 bias\$4) or mdc or domain\$ or barkhaussen or popcorn or pop adj corn or wiggle or exchange adj tab\$1 or multidomain\$1 or LBS or (sole near3 magnetization\$1) or unidirectional))	IBM_TDB	OR	OFF	2005/11/18 15:24
L20	143	18 and 19	IBM_TDB	OR	OFF	2005/11/18 15:24
L21	225	ruthenium or Ru or ferrimagnetic\$5 or ferri adj2 magnetic\$5 or antiparallel or anti adj parallel or ((antiferromagnetic or AFM or anti adj ferromagnetic\$5) adj2 coupling\$1) or APC or AAF or SAF or synthetic\$4 adj2 (antiferromagnet\$5 or anti adj ferromagnet\$5) or artificial adj2 (anti adj ferromagnet\$5 or antiferromagnet\$5)	IBM_TDB	OR	OFF	2005/11/18 15:24
L22	9	20 and 21	IBM_TDB	OR	OFF	2005/11/18 15:24